

HDMI Extender over cat5e/6

Model:LM-EXH100 USER MANUAL

1、 Introduction

LM-HT201 is a HDMI extender while using CAT-5E/6 cable as transmission media. the transmission distance for 1080P reaches 100 meters. for 4K*2K reaches 70meters, support 3D transmission, the IR system could control the sources from the sinks or control the sinks from sources.

LM-HT201 offers solutions for digital entertainment center, HDTV retail and show site, HDTV, STB, DVD and Projector factory, noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

Features

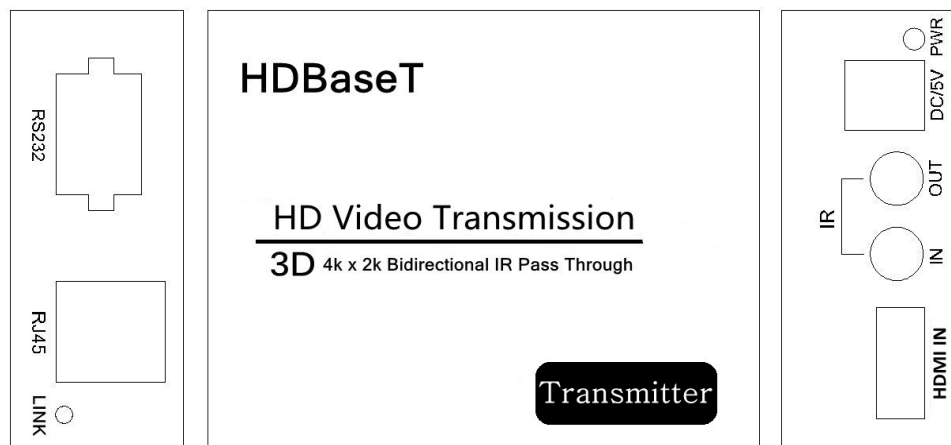
- One pair as a full functional module, no need for setting.
- Use single UTP LAN cable (CAT-5E/6) to substitute HDMI cable to achieve long distance transmission.
- UTP cable termination follows the standard of IEEE-568B.
- Transmission distance reaches up to 100 meters under the video format of 1080P. 70 meters for 4k*2k.
- HDMI V1.4 supported.
- HDCP compliant.
- Full HD support: 1080p@60Hz@48 b/pixels, 3D and 4Kx2K
- With ESD protection inside.
- Mounting ears supplied.
- Transfer Bidirectional Infrared control signal together with the HDMI signal.
- RS232 Port for firmware update or RS232 control signal transmission.

2、 Package Contents

- ① Main unit NO.1. LM-HT201T.
- ② Main unit NO.2. LM-HT201R.
- ③ Operating instructions. LM-HT201R.
- ④ 2x 5VDC power supply. (One for LM-HT201T, one for LM-HT201R)
- ⑤ 1xIR TX unit. (IR emitter cable)
- ⑥ 1xIR RX unit. (IR receiver cable)

3、 Panel Descriptions

Transmitter LM-HT201T



Receiver LM-HT201R



	Transmitter	Receiver
HDMI	HDMI input	HDMI output
IR IN	IR input	
IR OUT	IR output	
RJ45	UTP input	
RS232	RS232 port	
DC/5V	Power input 5VDC	

Indicator	Status	
LINK	ON	Tx and Rx link right
	OFF	Tx and Rx link fail
LMR	ON	Power ON
	OFF	Power OFF

4、 Specifications

Operating Temperature Range	-5 到 +35° C
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	DTV/HDTV; 1080P/1080i/720P/576P/480P /576i/480i
Output Video	HDMI 1.4+HDCP
Output Audio	Support DTS-HD, Dolby-HD
Maximum Transmission Distance	1080p CAT6 120 Meters 1080p 3D CAT6 100 Meters 4K*2K CAT6 70 Meters
Power Supply	5V/2A DC
Power Consumption	2.5Watts (Transmitter) 5 Watts (Receiver)
Dimensions	105mmH×76mmW×27mmD
Mass (Main unit)	0.7Kg / 1.54lb (Pairs)

5、 Connections and Operations

- 1) Connect the HDMI input source (such as HD-DVD、PS3、STB etc.) to

transmitter.

- 2) Connect a CAT-5E/6E cable from RJ45 port of transmitter to RJ45 port of receiver
- 3) Connect the HDMI sink(such as HD-LCD、HD-DLP) to receiver
- 4) Connect the IR TX UNIT into transmitter IR TX; Connect the IR RX UNIT into receiver IR RX.
- 5) Connect the IR RX UNIT into transmitter IR RX; Connect the IR TX UNIT into receiver IR TX.

Attention: Please insert and extract cables gently.

6、 Typical Application

